

ABSTRACT OF THE DISCLOSURE

An injection molding device with an injection molding cylinder in which is arranged a coaxial worm that is rotatable and axially displaceable by drive devices. A spindle nut rotatable by a first drive device is mounted in a housing and cooperates with a screw sleeve which is axially displaceable during rotation of the spindle nut but is fixed against rotation during axial displacement. Further, a shaft is mounted in the interior of the screw sleeve and is connected at one end to the worm and has at the other end an axial coupling, one of whose coupling parts communicates with a second drive device.

Abstract

The invention is directed to an injection molding device with an injection molding cylinder in which is arranged a coaxial worm that is rotatable and axially displaceable by drive devices. A spindle nut (9) which is rotatable by a first drive device (15) is mounted in a housing (11) and the spindle nut (9) cooperates with a screw sleeve (8) which is axially displaceable during rotation of the spindle nut (9). A means for preventing rotation (12) is connected with the housing (11). Further, a shaft (1) is mounted in the interior of the screw sleeve (8) and is connected at one end to the worm (14) and has at the other end an axial coupling (3), one of whose coupling parts communicates with a second drive device (7).

Figure 1